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(54) Title: NUCLEIC ACID AMPLIFICATION METHOD

(57) Abstract: A nucleic acid amplification method, and probes for use within the method are described.

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Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	Relevant to claim No.			
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X Furt	her documents are listed in the continuation of Box	C. X See patent family and	nex.			
* Specia	al categories of cited documents:	"T" later document published after the date and not in conflict with the sp	MICHION BULGIOU IN MICHINAL			
אל מין	ment defining the general state of the art which is not considered of particular relevance a application or patent but published on or after the international	the principle or theory underlying	the claimed invention cannot be			
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International application No.
PCT/SE 02/01378

C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Х	WO 0006778 A1 (THE PUPLIC HEALTH RESEARCH INSTITUTE OF THE CITY OF THE NEW YORK, INC.), 10 February 2000 (10.02.00), claims 19,23,33	1-3,5,8,10, 12,28-34
A	US 6221603 B1 (MAHTANI), 24 April 2001 (24.04.01)	1-3,5,8,10, 12,28-34
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International application No. PCT/SE02/01378

	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
Box I	Observations where certain claims were rough and the following reasons:
This i	nternational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. [Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box	
Thi	s International Searching Authority found multiple inventions in this international application, as follows:
se	e next sheet
	the state of the international search report covers all
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
3.	of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
]	Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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International application No. PCT/SE02/01378

This international Searching Authority found multiple inventions in this international application, as follows:

- 1. Claim 1a completely and parts of claims 2-3, 5, 8, 10, 12 and 28-34, a method of analysing circularised nucleic acid by directly detecting concatemeric amplification product of said nucleic acid.
- 2. Claims 1b and 13-27 completely and parts of claims 2-3, 5, 8, 10, 12, and 28-34, a method of analysing circularised nucleic acid by carrying out a further signal generating reaction on a concatemeric amplification product of said nucleic acid. Said invention may at a further search be found to relate to two separate inventive concepts.
- 3. Claims 1c, 4, 6-7, 9, 11 completely and parts of claims 2-3, 5, 8, 10, 12, and 28-34, a method of analysing circularised nucleic acid by monomerising a concatemeric amplification product of said nucleic acid before analysing said product.

According to Article 34(3)(a-c) and Rule 13.2, an international application shall relate to one invention only or to a group of inventions linked by one or more of the same or corresponding "special technical features", i.e. features that define a contribution which each of the inventions makes over the prior art.

Direct detection of concatemeric amplification product of circularised nucleic acid is known in the art, see e.g. US5854033. Consequently, analysis of circularised nucleic acid by concatemeric amplification of said nucleic acid is known in the art, no other technical feature unifying the three invention have been found.

Invention 1 has been searched.

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International application No.
PCT/SE 02/01378

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